FIG. 1

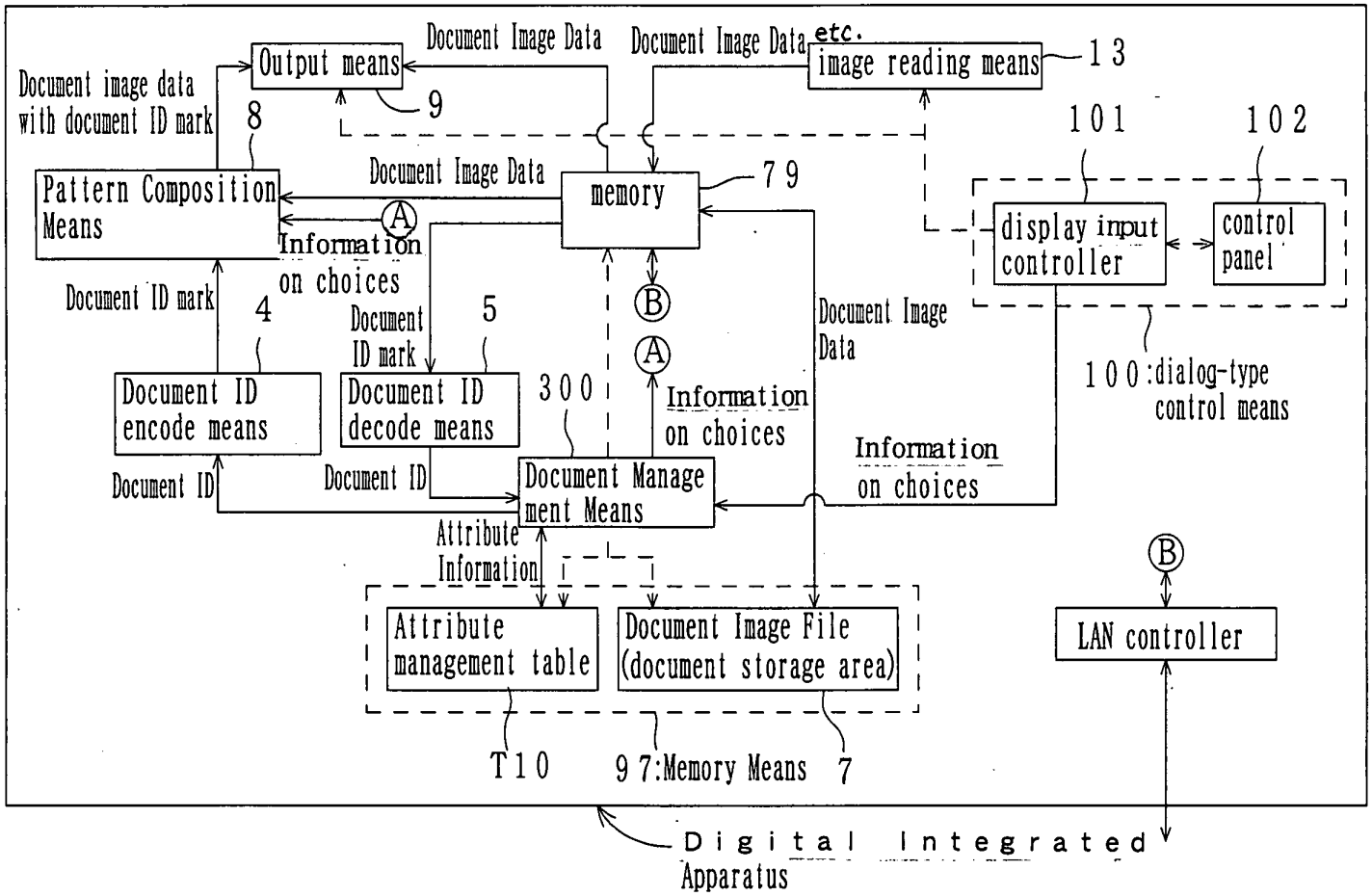

Document Image Data
Document Image Data etc.
Output means
image reading means
13
Document image data with document ID mark
8
9
101
102
Document Image Data
memory
79
Pattern Composition Means
A
display input controller
control panel
Information on choices
Document ID mark
4
Document ID mark
5
B
A
Document Image Data
100:dialog-type control means
Document ID encode means
Document ID decode means
300
Information on choices
Information on choices
Document ID
Document ID
Document Management Means
Attribute Information
B
Attribute management table
Document Image File (document storage area)
LAN controller
T10
97:Memory Means
7
Digital Integrated Apparatus

FIG. 2

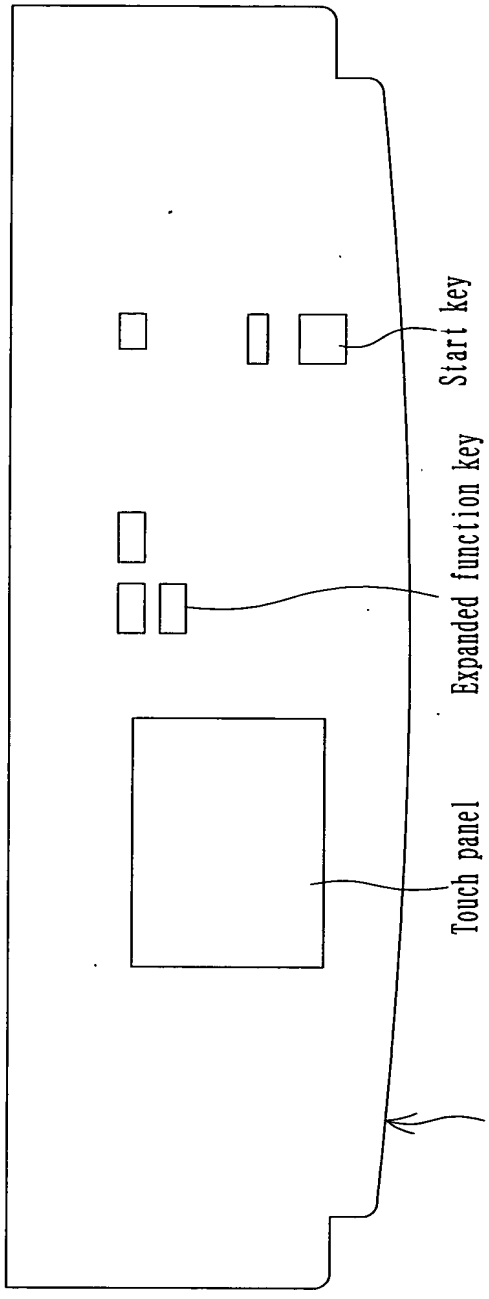
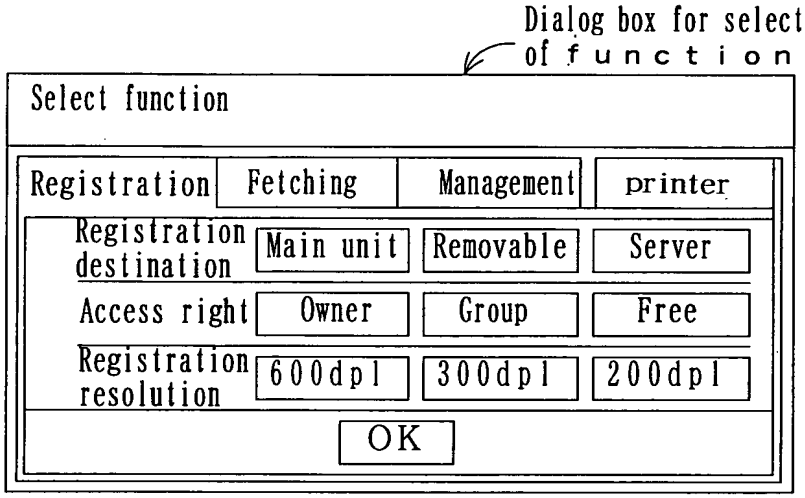
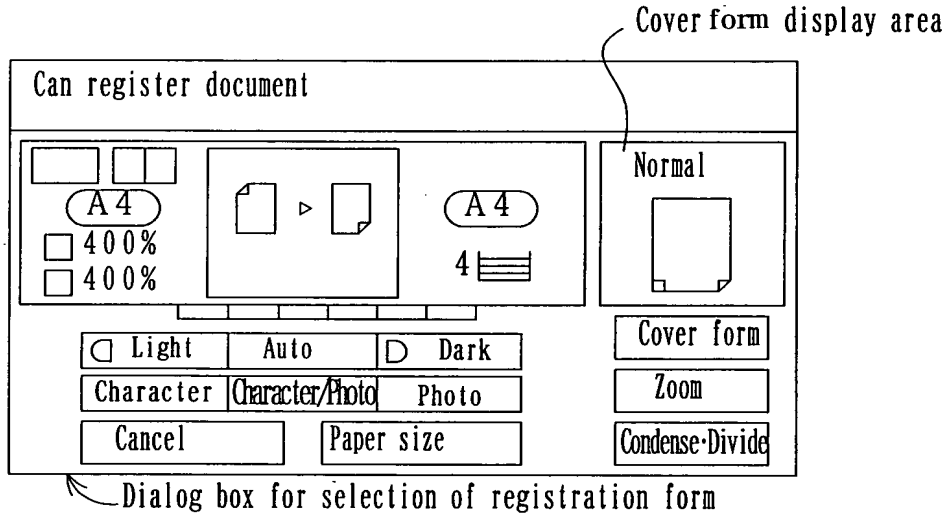

Start key
Expanded function key
Touch panel
102:Control panel

FIG. 3

(a)


Dialog box for selection of function
Select function
Registration
Fetching
Management
printer
Registration destination
Main unit
Removable
Server
Access right
Owner
Group
Free
Registration resolution
600dpl
300dpl
200dpl
OK

(b)


Cover form display area
Can register document
A4
400%
400%
A4
4
Normal
Light
Auto
Dark
Character
Character/Photo
Photo
Cancel
Paper size
Cover form
Zoom
Condense·Divide
Dialog box for selection of registration form

(c)

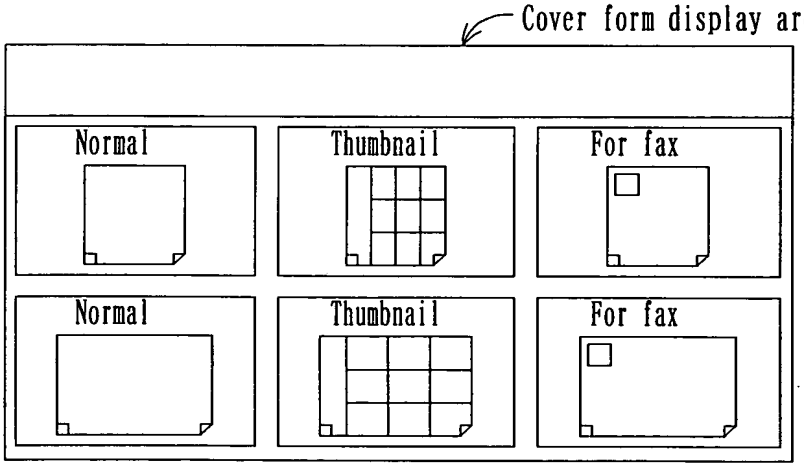
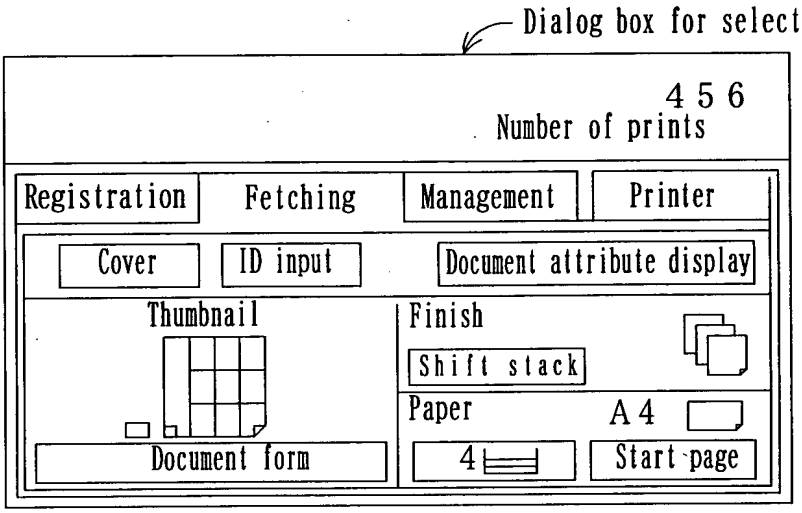
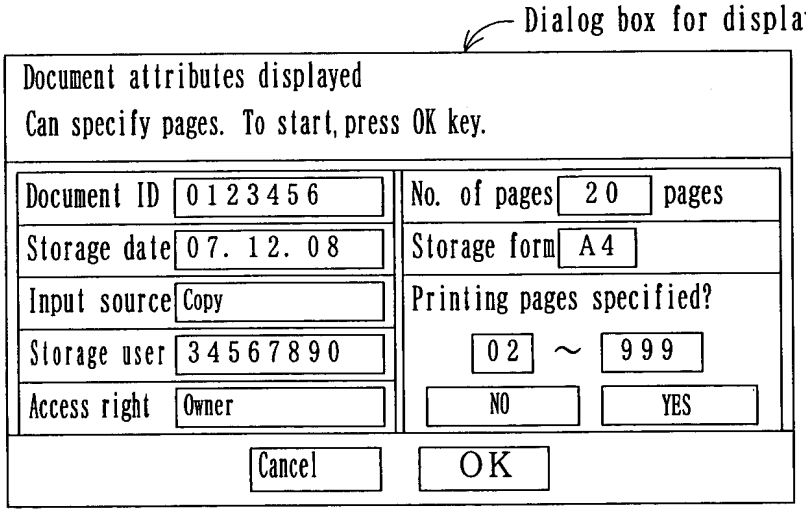

Cover form display area
Normal
Thumbnail
For fax
Normal
Thumbnail
For fax

FIG. 4

(a)


Dialog box for selection of function
456
Number of prints
Registration
Fetching
Management
Printer
Cover
ID input
Document attribute display
Thumbnail
Finish
Shift stack
Paper
A4
Document form
4
Start page

(b)


Dialog box for display of attributes
Document attributes displayed
Can specify pages. To start, press OK key.
Document ID
0123456
No. of pages
20
pages
Storage date
07. 12. 08
Storage form
A4
Input source
Copy
Printing pages specified?
Storage user
34567890
02
~
999
Access right
Owner
NO
YES
Cancel
OK

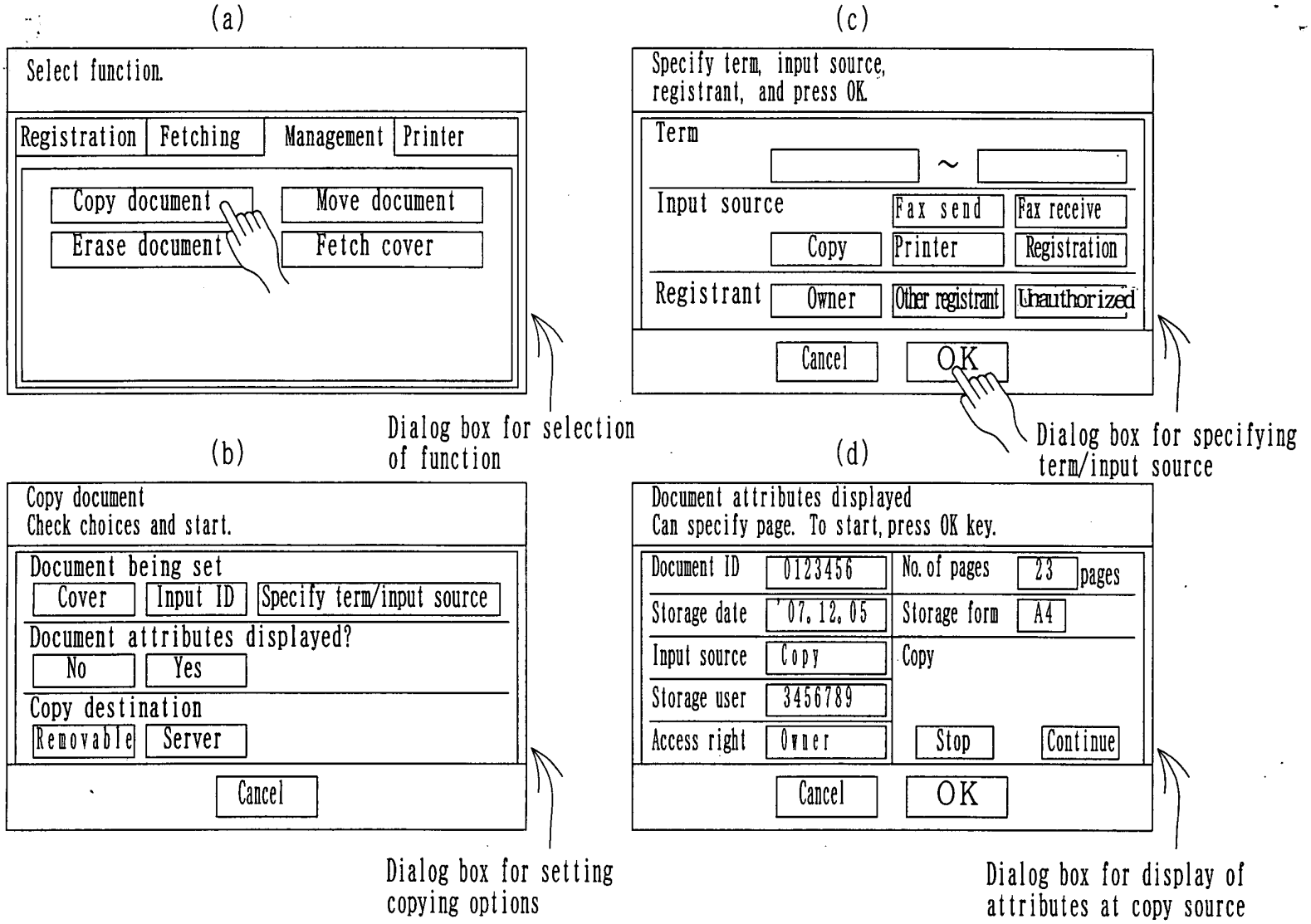

(a)
Select function.
Registration
Fetching
Management
Printer
Copy document
Move document
Erase document
Fetch cover
Dialog box for selection of function
(c)
Specify term, input source, registrant, and press OK.
Term
~
Input source
Fax send
Fax receive
Copy
Printer
Registration
Registrant
Owner
Other registrant
Unauthorized
Cancel
OK
Dialog box for specifying term/input source
(b)
Copy document
Check choices and start.
Document being set
Cover
Input ID
Specify term/input source
Document attributes displayed?
No
Yes
Copy destination
Removable
Server
Cancel
Dialog box for setting copying options
(d)
Document attributes displayed
Can specify page. To start, press OK key.
Document ID
0123456
No. of pages
23
pages
Storage date
'07.12.05
Storage form
A4
Input source
Copy
Copy
Storage user
3456789
Access right
Owner
Stop
Continue
Cancel
OK
Dialog box for display of attributes at copy source

FIG. 5

FIG. 6

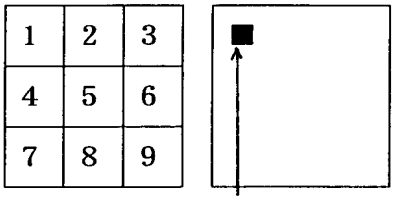
Dialog Box No.	Set Mode	Settings	Value set at factory
1/2	00 Addition of DD code to document to be fetched	Setting for printing DD code on document to be fetched * To be printed Not to be printed	Not to be printed
	01 Storage form default (Thumbnail) (fax)  Slightly larger DD code mark	Setting for cover printing form in storage * Normal, thumbnail, for fax Normal:same form as original Thumbnail: form with 9 pages printed on one sheet For fax fetching *2: Slightly larger DD mark is printed (*2 only models with fax function)	Normal
	02 Document fetching form default	Setting of form in fetching document * Normal(full page) Thumbnail(9 in.)	Normal
	03 Cover fetching form default	Setting of printing form of cover * Normal, thumbnail, for fax *2	Normal
	04 Storage resolution default	Setting of resolution in registration * 600dpi, 300dpi, 200dpi (300/200dpi is for character mode only)	600 dpi
2/2	05 Format of removable	Formatting Zip disk for DD memory Formatting procedure 1 Insert ID card or input user ID 2 Insert Zip disk into disk drive unit in the main unit 3 Click "Start" and then "OK"*1	
	06-08 (Not used)		
	09 Exclusively for key operators	Input code to open dialog box exclusively for operators	

FIG. 7

Dialog Box No.	Set Mode	Settings	Value set at factory
3 / 4	00 Access right default in storage	Setting of access right (security) in storage *Owner, group, free (no security)	Owner
	01 (not used)		
	02 (not used)		
	03 (not used)		
	04 (not used)		
2 / 4	05 (not used)		
	06 Attribute display, fetching	Setting of attribute display in fetching document * To be displayed Not to be displayed	Not to be displayed
	07 (not used)		
	08 (not used)		
	09 Attribute display, document management	Setting of attribute display in document management * To be displayed Not to be displayed	Not to be displayed

FIG. 8

Dialog Box No.	Set Mode	Settings	Value set at factory
3／4	10 AE function	Setting of AE function *Without AE function Priority given to "with AE" Priority given to "without AE	Priority given to "with AE"
	11 Image quality default	Setting of form of original to be registered *Character (main), character/photo (mix) photo (main) (including photo=image)	Character
	12 Contrast, photo mode	Setting of contrast (density) in photo mode * Weak 2, Weak 1, Medium Strong 1, Strong 2	Medium
	13 Contrast, character/photo mode	Setting of contrast (density) in character/photo (mix) mode Weak, Medium, Strong	Medium
	14 Sharpness, photo mode	Setting of sharpness (vividness) in photo mode Weak, Medium, Strong	Medium
4／4	15 Sharpness, Character/photo mode	Setting of sharpness (vividness) in character/photo (mix) mode Weak, Medium, Strong	Medium
	16 Sharpness, Character mode	Setting of sharpness (vividness) in character mode Weak, Medium, Strong	Medium
	17 Expanded menu default	Setting of dialog box default menu default -expanded function basic dialog box *Printer, storing DD, fetching DD, DD management	DD fetching
	18 (not used)		
	19 (not used)		

FIG. 9

Document ID	No. of pages	Image size	Registration method	Date of Registration	Time of Registration	User ID	Access right	Media ID
00000001	3	A4	COPY	1997.01.29	20:10:45	0003	OWNER	0000
00000002	4	B4	FAX RECEIVE	1997.02.01	06:05:05	0000	FREE	0000
00000003	6	A4	FAX SEND	1997.02.01	09:17:55	0006	GROUP	0000
00000004	3	A4R	PRINT	1997.02.03	10:10:09	0003	GROUP	0001
00000005	3	A4R	COPY	1997.02.03	11:30:30	0003	GROUP	0000

T10 : Attribute management table

FIG. 10

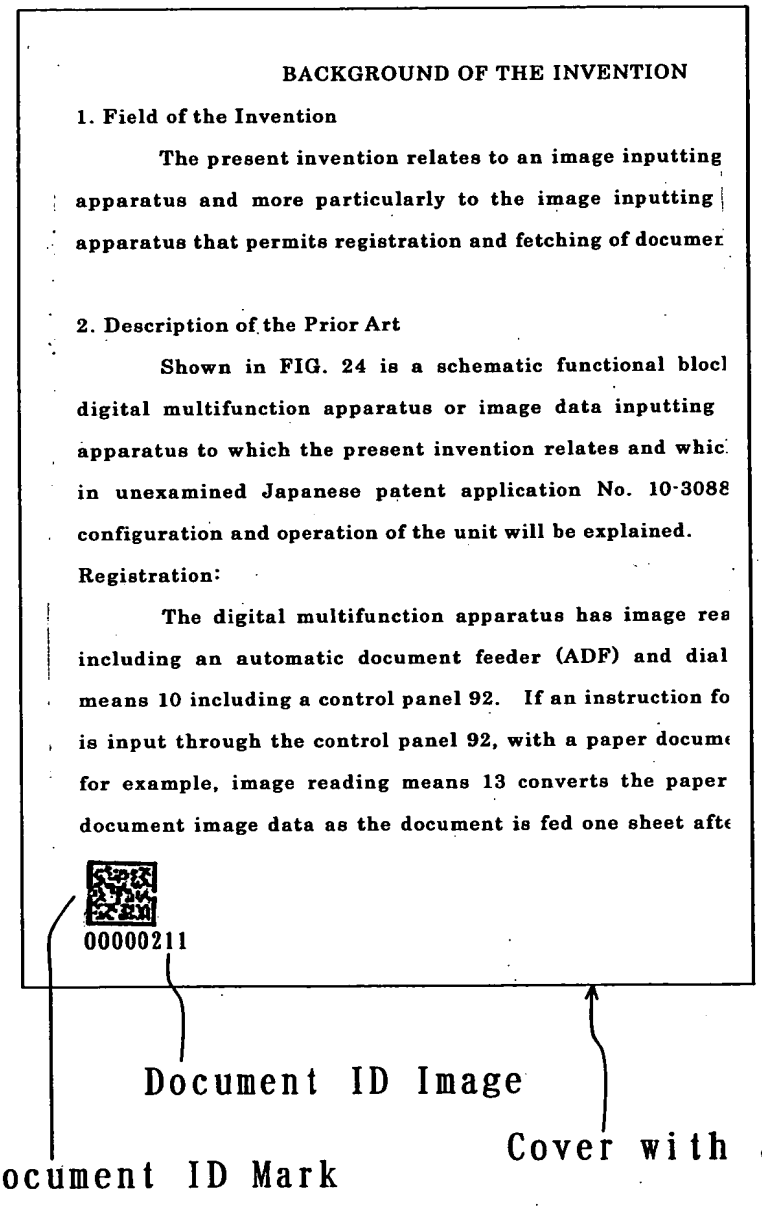

BACKGROUND OF THE INVENTION
1. Field of the Invention
The present invention relates to an image inputting apparatus and more particularly to the image inputting apparatus that permits registration and fetching of documer
2. Description of the Prior Art
Shown in FIG. 24 is a schematic functional bloc digital multifunction apparatus or image data inputting apparatus to which the present invention relates and whic in unexamined Japanese patent application No. 10-3088 configuration and operation of the unit will be explained.
Registration:
The digital multifunction apparatus has image rea including an automatic document feeder (ADF) and dial means 10 including a control panel 92. If an instruction fo is input through the control panel 92, with a paper docum for example, image reading means 13 converts the paper document image data as the document is fed one sheet aft
00000211
Document ID Image
Document ID Mark
Cover with a mark

FIG. 11

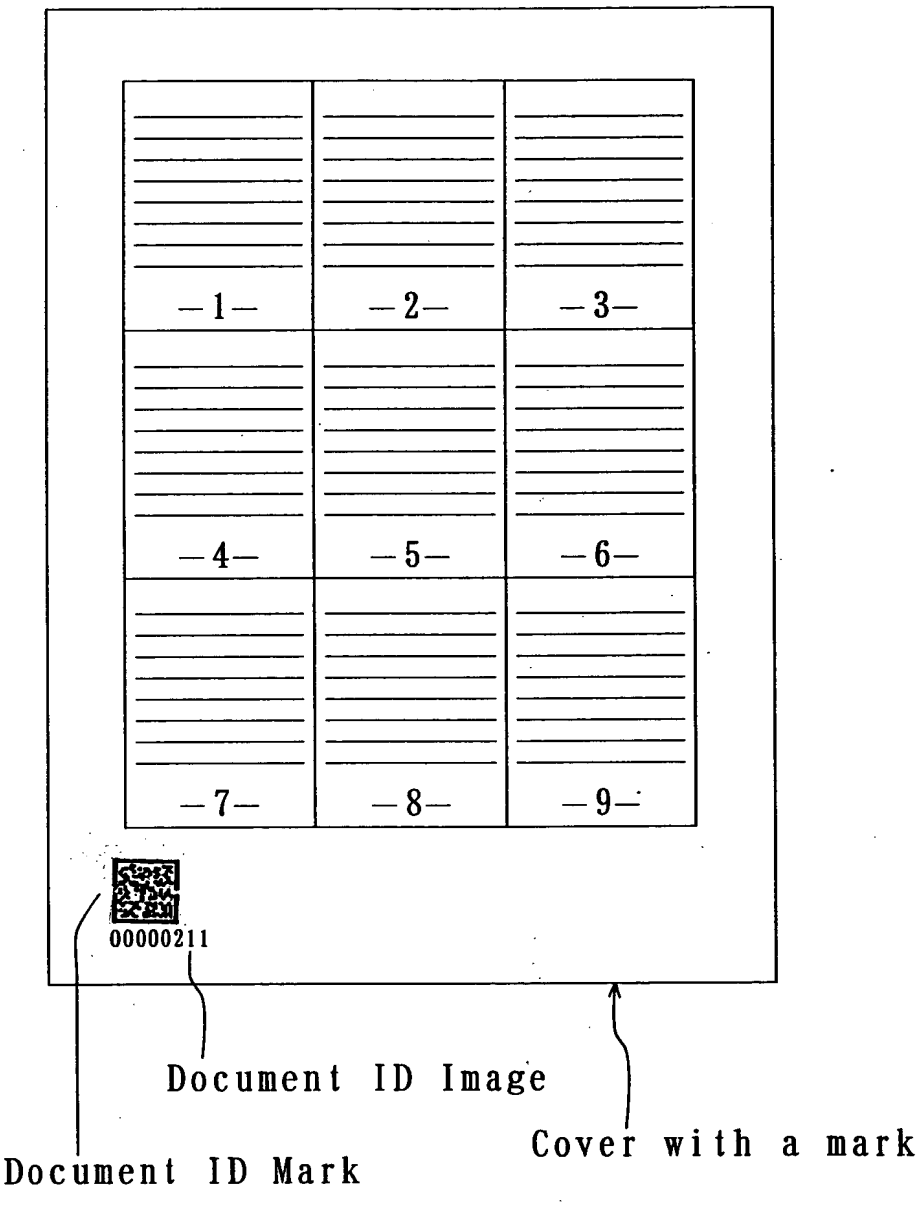

—1—
—2—
—3—
—4—
—5—
—6—
—7—
—8—
—9—
00000211
Document ID Image
Document ID Mark
Cover with a mark

FIG. 12

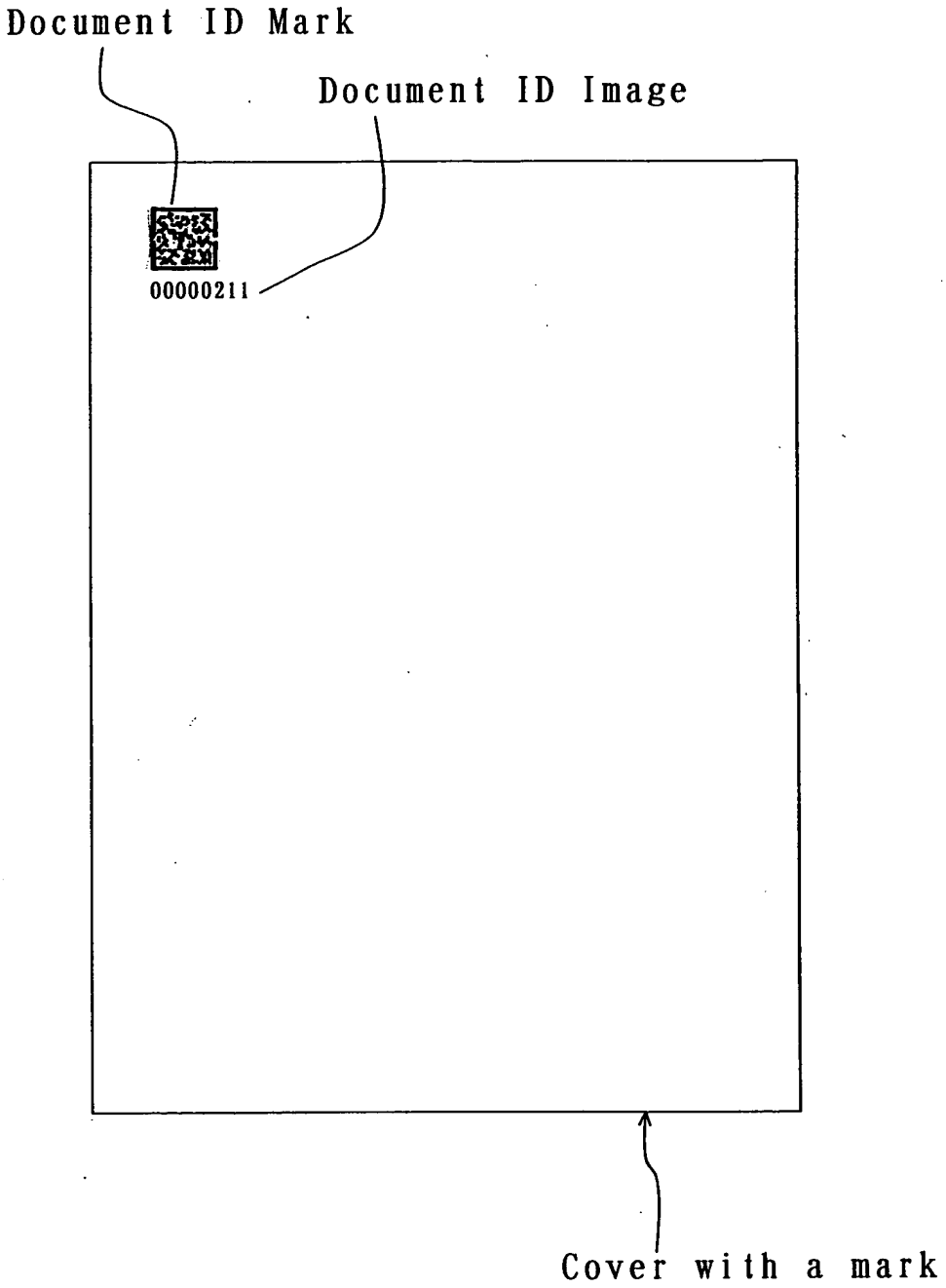

Document ID Mark
Document ID Image
00000211
Cover with a mark

Fig.13

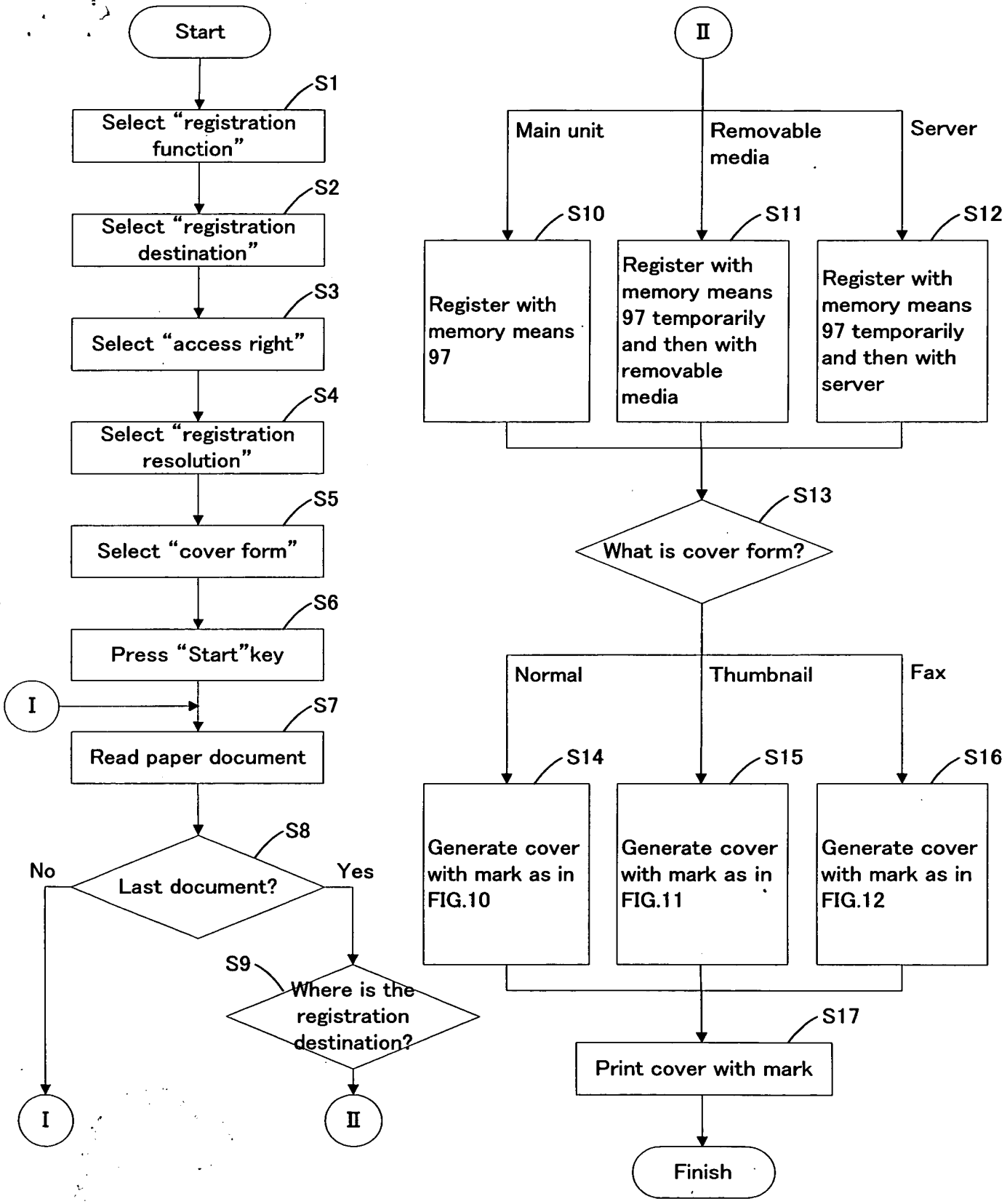

Start
S1
Select "registration function"
S2
Select "registration destination"
S3
Select "access right"
S4
Select "registration resolution"
S5
Select "cover form"
S6
Press "Start"key
I
S7
Read paper document
S8
Last document?
No
Yes
S9
Where is the registration destination?
I
II
II
Main unit
Removable media
Server
S10
S11
S12
Register with memory means 97
Register with memory means 97 temporarily and then with removable media
Register with memory means 97 temporarily and then with server
S13
What is cover form?
Normal
Thumbnail
Fax
S14
S15
S16
Generate cover with mark as in FIG.10
Generate cover with mark as in FIG.11
Generate cover with mark as in FIG.12
S17
Print cover with mark
Finish

Fig.14

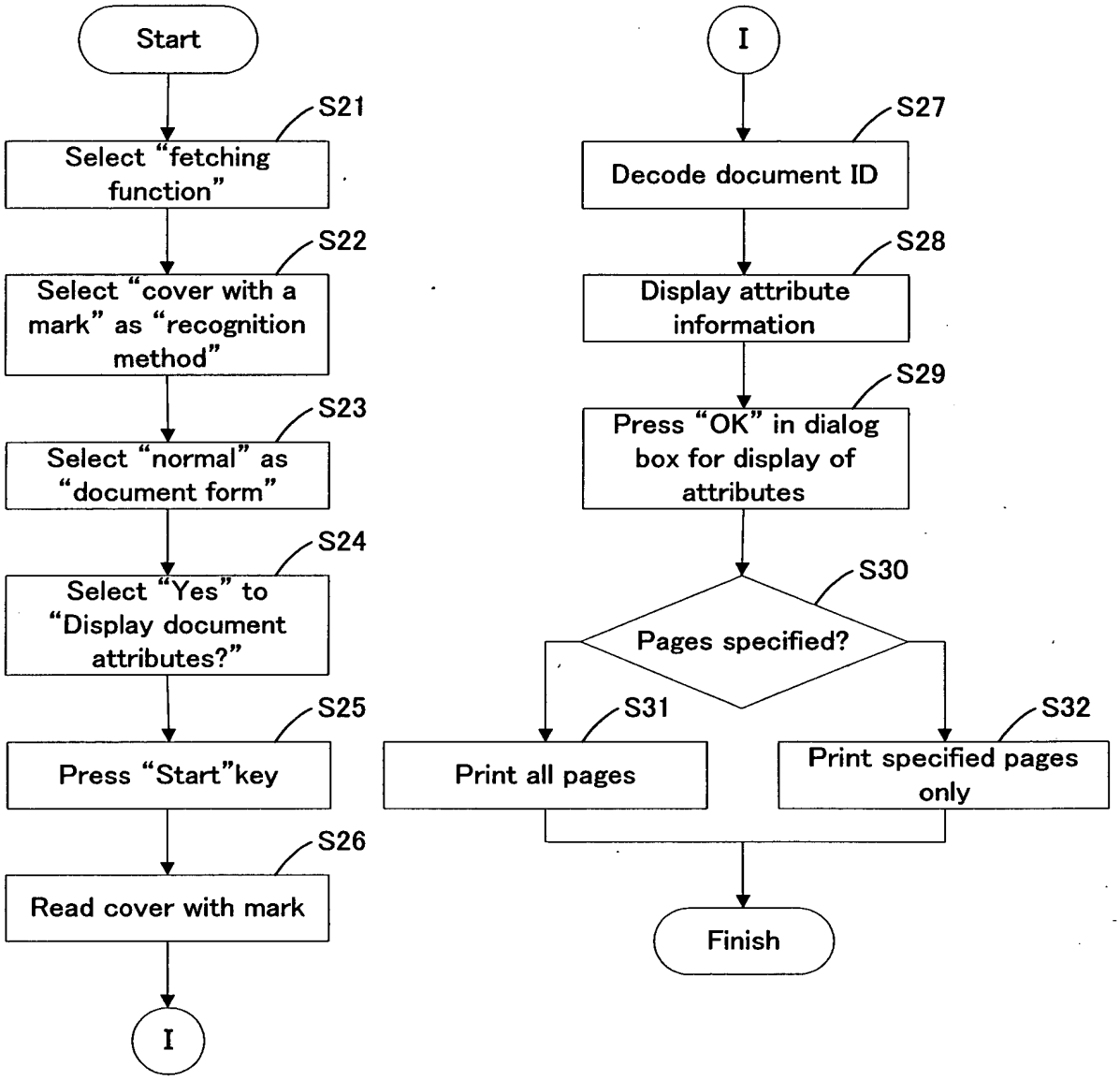

Start
S21
Select "fetching function"
S22
Select "cover with a mark" as "recognition method"
S23
Select "normal" as "document form"
S24
Select "Yes" to "Display document attributes?"
S25
Press "Start"key
S26
Read cover with mark
I
I
S27
Decode document ID
S28
Display attribute information
S29
Press "OK" in dialog box for display of attributes
S30
Pages specified?
S31
Print all pages
S32
Print specified pages only
Finish

Fig.15

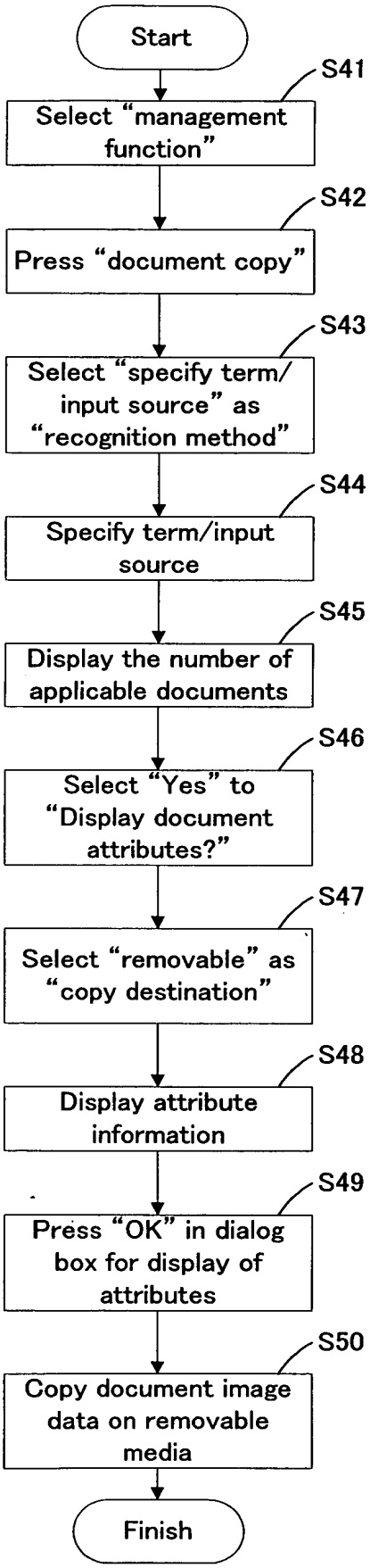
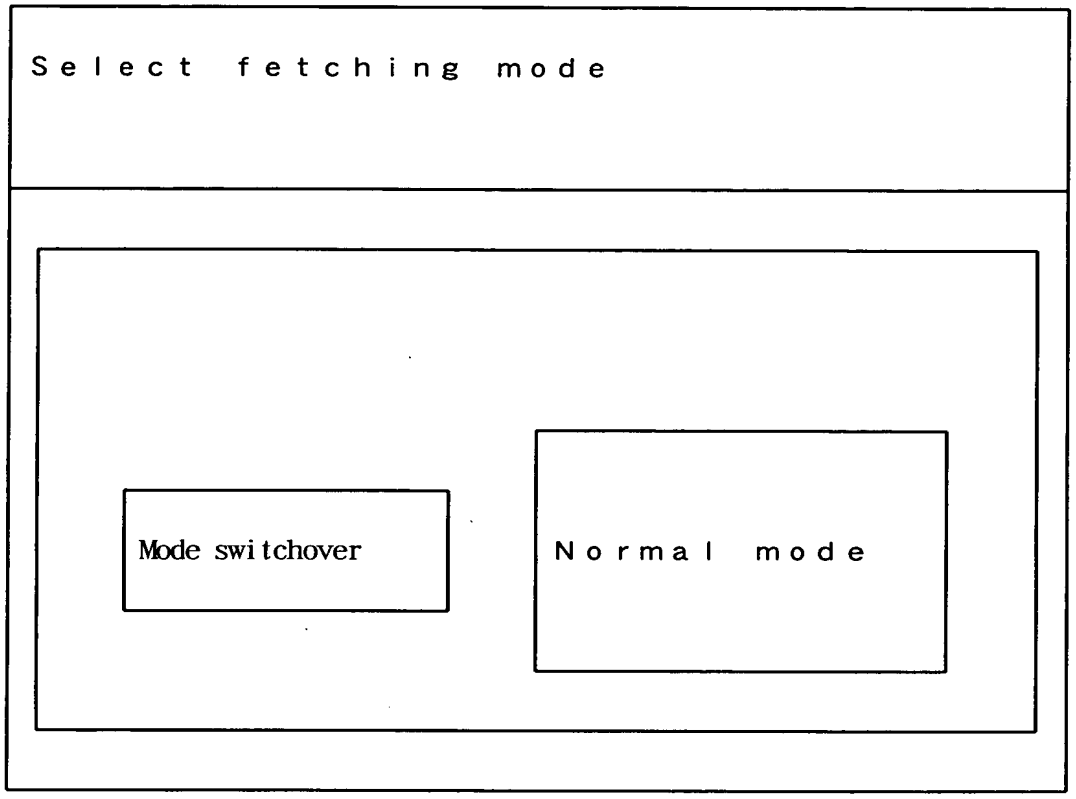

Start
S41
Select "management function"
S42
Press "document copy"
S43
Select "specify term/ input source" as "recognition method"
S44
Specify term/input source
S45
Display the number of applicable documents
S46
Select "Yes" to "Display document attributes?"
S47
Select "removable" as "copy destination"
S48
Display attribute information
S49
Press "OK" in dialog box for display of attributes
S50
Copy document image data on removable media
Finish

FIG. 16

Dialog box for selection of fetching mode



Mode display column

FIG. 17

(a)

Document ID	No. of pages	Image size	Date of Registration	Time of Registration	Date of fetching	Time of fetching
00000001	3	A 4	1998. 01. 29	20:10:45		
00000002	4	A 5	1998. 02. 01	08:17:55		
00000003	6	A 4	1998. 02. 01	09:17:55	1998. 03. 10	10:09:20
00000004	3	A 4 R	1998. 02. 03	10:10:09	1998. 09. 27	17:23:18
00000005	3	A 4 R	1998. 02. 03	11:30:30		

T 1 0 a : Attribute management table

(b)

Document ID	No. of pages	Image size	Date of Registration	Time of Registration	Date of fetching	Time of fetching
00000001	3	A 4	1998. 01. 29	20:10:45		
00000002	4	A 5	1998. 02. 01	08:17:55		
00000003	6	A 4	1998. 02. 01	09:17:55		
00000004	3	A 4 R	1998. 02. 03	10:10:09		
00000005	3	A 4 R	1998. 02. 03	11:30:30		

T 1 0 b : Attribute management table

Fig.18

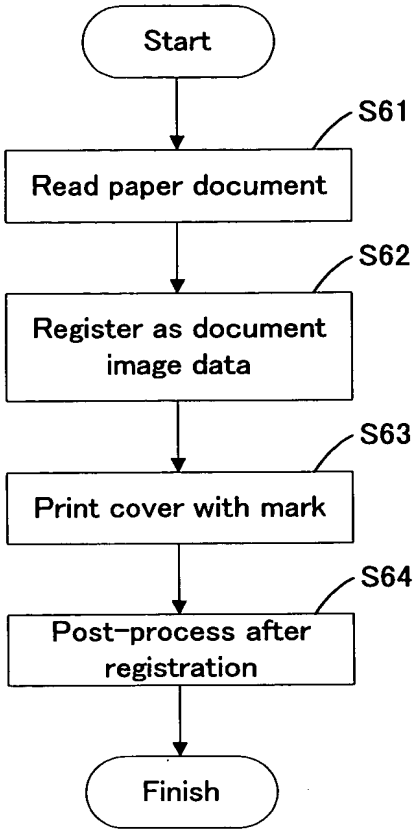

Start
S61
Read paper document
S62
Register as document image data
S63
Print cover with mark
S64
Post-process after registration
Finish

Fig.19

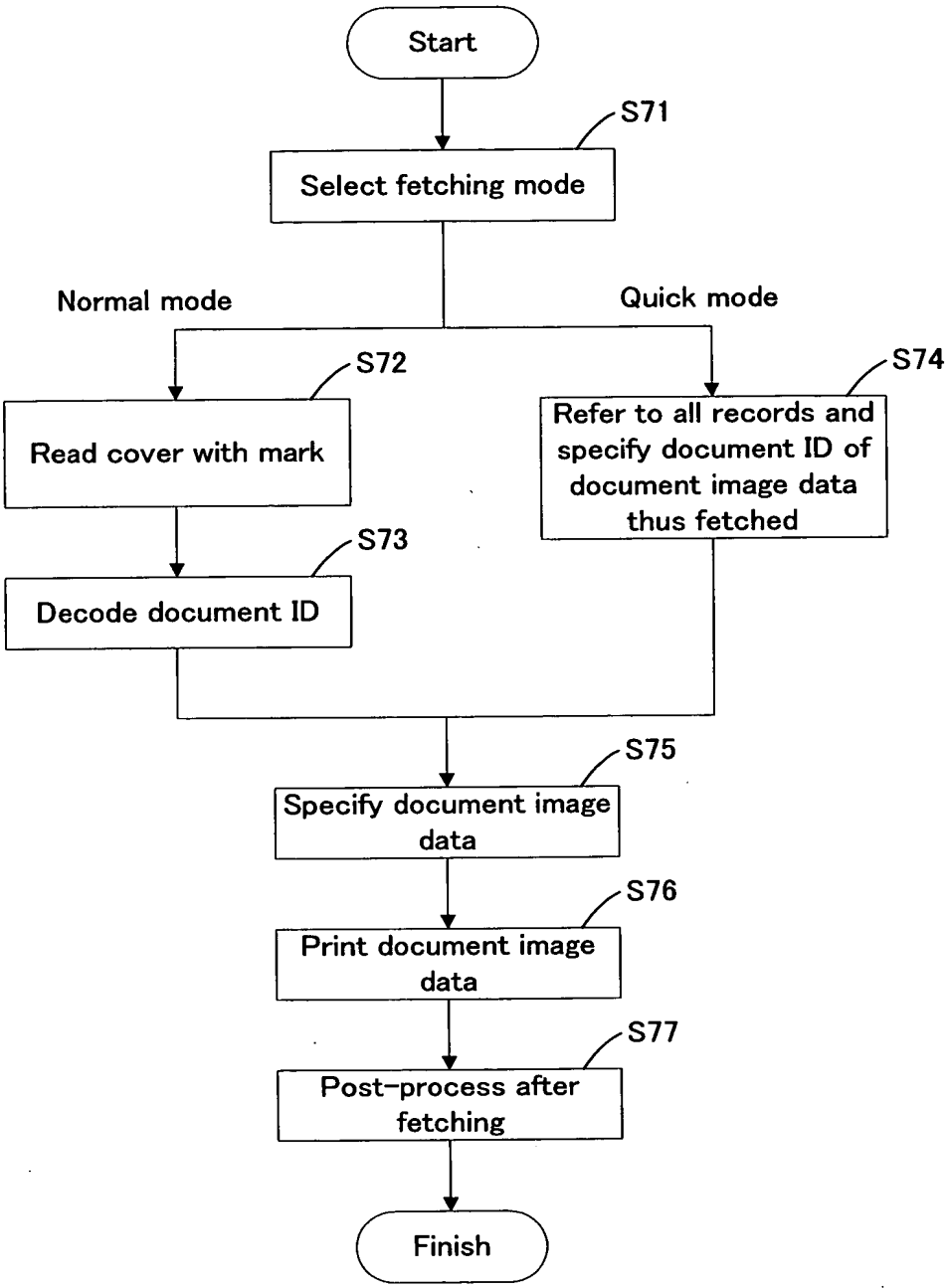

Start
S71
Select fetching mode
Normal mode
Quick mode
S72
Read cover with mark
S73
Decode document ID
S74
Refer to all records and specify document ID of document image data thus fetched
S75
Specify document image data
S76
Print document image data
S77
Post-process after fetching
Finish

FIG. 20

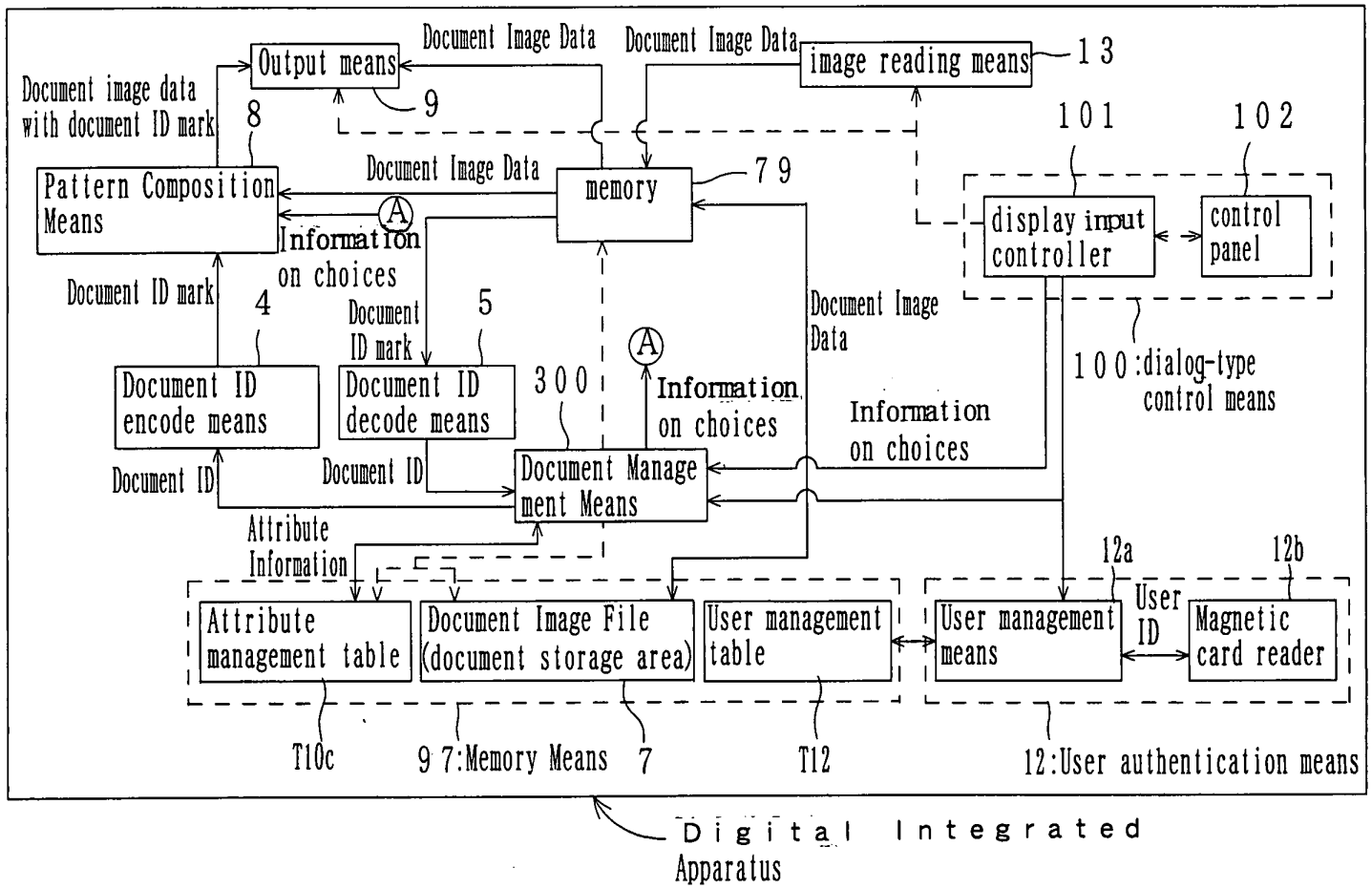

Output means
Document Image Data
Document Image Data
image reading means
13
Document image data with document ID mark
8
9
101
102
Pattern Composition Means
Document Image Data
memory
79
display input controller
control panel
Information on choices
Document ID mark
4
Document ID mark
5
Document Image Data
100:dialog-type control means
Document ID encode means
Document ID decode means
300
Information on choices
Information on choices
Document ID
Document ID
Document Management Means
Attribute Information
12a
12b
Attribute management table
Document Image File (document storage area)
User management table
User management means
User ID
Magnetic card reader
T10c
97:Memory Means
7
T12
12:User authentication means
Digital Integrated Apparatus

FIG. 21

Document ID	User ID	No. of pages	Page size	Date of Registration	Time of Registration	Date of fetching	Time of fetching
00000001	003	3	A4	1998.01.29	20:10:45		
00000002	004	4	A5	1998.02.01	08:17:55		
00000003	006	6	A4	1998.02.03	09:17:55	1998.03.10	10:09:20
00000004	003	3	A4R	1998.02.03	10:10:09	1998.09.27	17:23:18
00000005	003	3	A4R	11:30:30	11:30:30		

T10c : Attribute management table

Fig.22

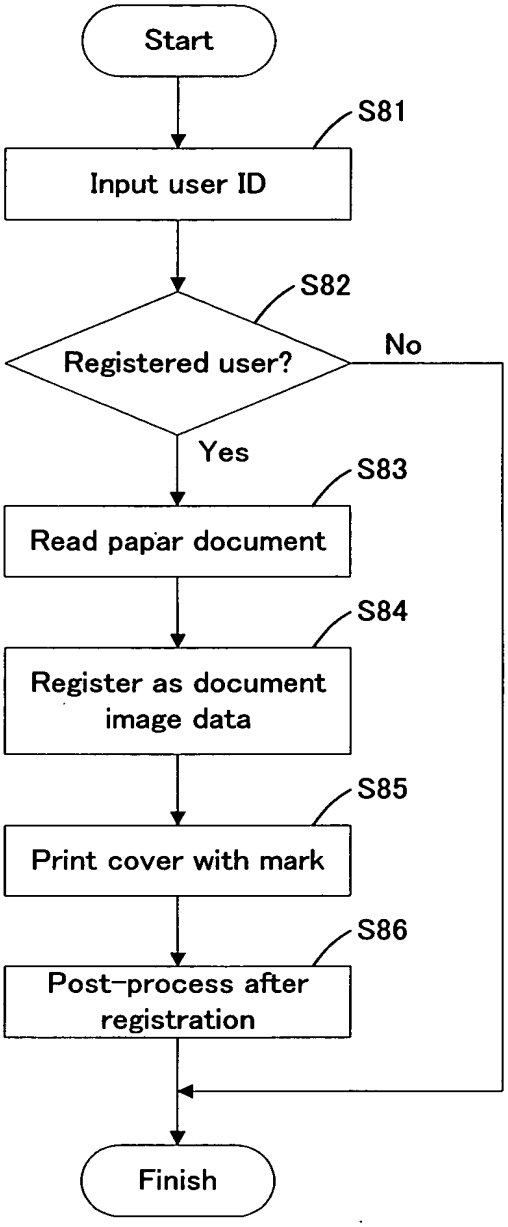
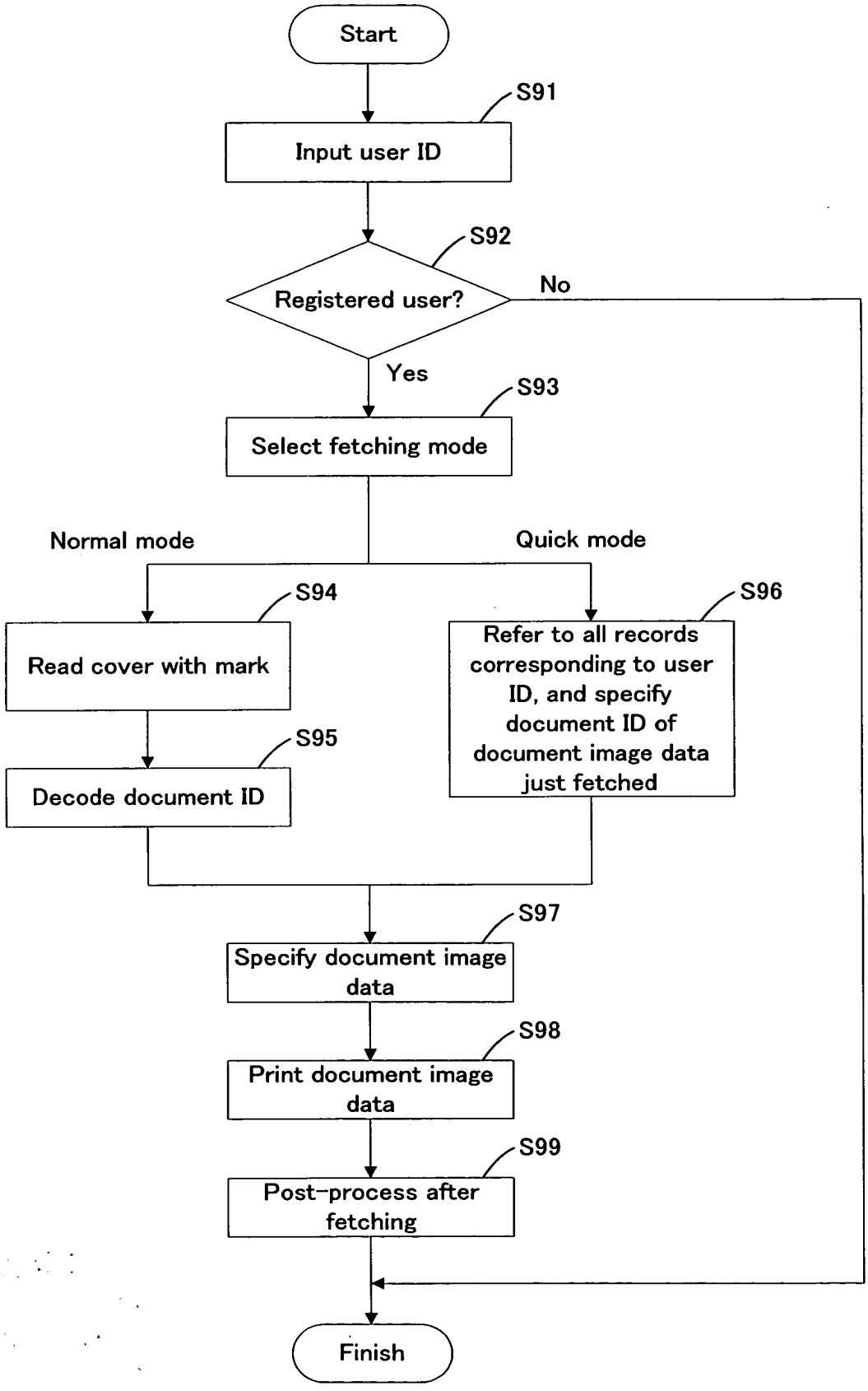

Start
S81
Input user ID
S82
Registered user?
No
Yes
S83
Read papar document
S84
Register as document image data
S85
Print cover with mark
S86
Post-process after registration
Finish

Fig.23


Start
S91
Input user ID
S92
Registered user?
No
Yes
S93
Select fetching mode
Normal mode
Quick mode
S94
Read cover with mark
S95
Decode document ID
S96
Refer to all records corresponding to user ID, and specify document ID of document image data just fetched
S97
Specify document image data
S98
Print document image data
S99
Post-process after fetching
Finish

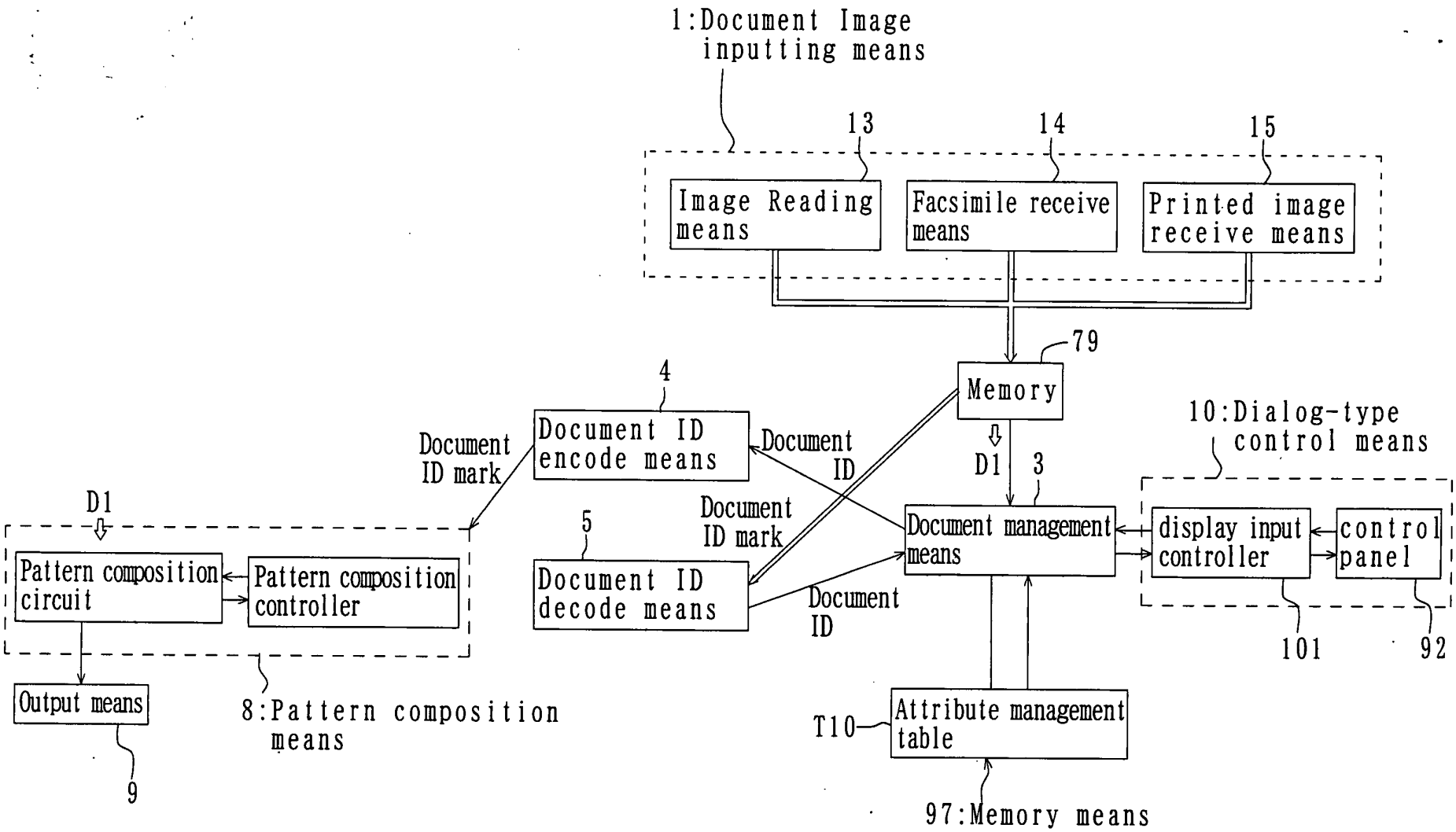



FIG. 24
Prior Art